This listing of claims replaces all prior versions, and listings of claims in the instant application:

Listing of Claims:

1. (Currently Amended) A method for browsing a data communications network, the method comprising:

requesting user data from a user-controlled ~~secure storage~~ resource-constrained device ~~if~~when a network site that requires said user data is accessed, said requesting occurring prior to requesting said user data from another device different from said user-controlled resource-constrained device when said user data is unavailable from said user-controlled resource-constrained device; and

sending said user data to a network server associated with said network site ~~if~~when said user data is received from said user-controlled ~~secure storage~~ resource-constrained device.

2. (Currently Amended) A method for browsing a data communications network, the method comprising:

receiving, by a user-controlled ~~secure~~ resource-constrained device, a request for user data wherein said user data is one of static user data and dynamic user data;

returning said user data by said user-controlled ~~secure~~ resource-constrained device ~~if~~when said user data is found stored on said user-controlled ~~secure~~ resource-constrained device and ~~if~~when said returning user data for said request is enabled and ~~if~~when said user data ~~comprises~~ is said static user data;

reconfiguring said user data by said user-controlled ~~secure~~ resource-constrained device ~~if~~when said user data

is found stored on said user-controlled ~~secure~~ <u>resource-constrained</u> device and ~~if~~<u>when</u> said returning user data for said request is enabled and ~~if~~<u>when</u> said user data ~~comprises~~ <u>is said</u> dynamic user data; and

returning said reconfigured user data by said user-controlled ~~secure~~ <u>resource-constrained</u> device.

3.   (Currently Amended) A method for servicing data communications network information units, the method comprising:

receiving user data associated with a network site by a server;

determining, by said server, whether said user data comprises static user data or said user data comprises dynamic user data;

using, by said server, said user data ~~if~~<u>when</u> said determining finds said user data comprises said static user data; and

reconstructing, by said server, said user data before using said user data ~~if~~<u>when</u> said determining finds said user data comprises said dynamic user data <u>wherein original user data was reconfigured to generate said user data and said reconstructing generates said original user data</u>.

4.   (Currently Amended) A method for browsing a data communications network, the method comprising:

requesting a cookie from a user-controlled ~~secure storage~~ <u>resource-constrained</u> device ~~if~~<u>when</u> a network site that requires said cookie is accessed, said requesting occurring prior to requesting said cookie from another device <u>different from said user-controlled resource-constrained device when said cookie is unavailable from said user-controlled resource-constrained device</u>; and

sending said cookie to a network server associated with said network site ~~if~~when said cookie is received from said user-controlled ~~secure storage~~ resource-constrained device.

5.   (Currently Amended) A method for browsing a data communications network, the method comprising:

receiving, by a user-controlled ~~secure~~ resource-constrained device, a request for a cookie;

returning said cookie by said user-controlled ~~secure~~ resource-constrained device ~~if~~when said cookie is found stored on said user-controlled ~~secure~~ resource-constrained device and ~~if~~when said returning said cookie for said request is enabled and ~~if~~when said cookie comprises a static cookie;

reconfiguring a bit-pattern of said cookie by said user-controlled ~~secure~~ resource-constrained device ~~if~~when said cookie is found stored on said user-controlled ~~secure~~ resource-constrained device and ~~if~~when said returning said cookie for said request is enabled and ~~if~~when said cookie comprises a dynamic cookie; and

returning said reconfigured cookie by said user-controlled ~~secure~~ resource-constrained device.

6.   (Currently Amended) A method for servicing data communications network information units, the method comprising:

receiving a cookie associated with a network site by a server;

determining, by said server, whether said cookie comprises a static cookie or said cookie comprises a dynamic cookie;

using, by said server, said cookie ~~if~~when said determining finds said cookie is said static cookie; and

reconstructing, by said server, said cookie before using said cookie ~~if~~when said determining finds said cookie is said dynamic cookie wherein an original cookie was reconfigured to generate said cookie and said reconstructing generates said original cookie.

7.   (Currently Amended)   A program storage device readable by a machine, embodying a program of instructions executable by the machine to perform a method for browsing a data communications network, the method comprising:

requesting user data from a user-controlled ~~secure storage~~ resource-constrained device ~~if~~when a network site that requires said user data is accessed, said requesting occurring prior to requesting said user data from another device different from said user-controlled resource-constrained device when said user data is unavailable from said user-controlled resource-constrained device; and

sending said user data to a network server associated with said network site ~~if~~when said user data is received from said user-controlled ~~secure storage~~ resource-constrained device.

8.   (Currently Amended)   A program storage device readable by a machine, embodying a program of instructions executable by the machine to perform a method for browsing a data communications network, the method comprising:

receiving, by a user-controlled ~~secure~~ resource-constrained device, a request for user data wherein said user data is one of static user data and dynamic user data;

returning said user data by said user-controlled ~~secure~~ resource-constrained device ~~if~~when said user data is found stored on said user-controlled ~~secure~~ resource-constrained device and ~~if~~when said returning user data for

said request is enabled and ~~if~~when said user data
~~comprises~~ is said static user data;

reconfiguring said user data by said user-controlled
~~secure~~ resource-constrained device ~~if~~when said user data
is found stored on said user-controlled ~~secure~~ resource-constrained device and ~~if~~when said returning user data for
said request is enabled and ~~if~~when said user data
~~comprises~~ is said dynamic user data; and

returning said reconfigured user data by said user-controlled ~~secure~~ resource-constrained device.

9.   (Currently Amended)   A program storage device readable
by a machine, embodying a program of instructions executable by
the machine to perform a method for servicing data
communications network information units, the method
comprising:

receiving user data associated with a network site by
a server;

determining, by said server, whether said user data
comprises static user data or said user data comprises
dynamic user data;

using, by said server, said user data ~~if~~when said
determining finds said user data comprises said static
user data; and

reconstructing, by said server, said user data before
using said user data ~~if~~when said determining finds said
user data comprises said dynamic user data wherein
original user data was reconfigured to generate said user
data and said reconstructing generates said original user
data.

10.   (Currently Amended)   A program storage device
readable by a machine, embodying a program of instructions

executable by the machine to perform a method for browsing a data communications network, the method comprising:

requesting a cookie from a user-controlled ~~secure storage~~ resource-constrained device ~~if~~when a network site that requires said cookie is accessed, said requesting occurring prior to requesting said cookie from another device different from said user-controlled resource-constrained device when said cookie is unavailable from said user-controlled resource-constrained device; and

sending said cookie to a network server associated with said network site ~~if~~when said cookie is received from said user-controlled ~~secure storage~~ resource-constrained device.

11. (Currently Amended) A program storage device readable by a machine, embodying a program of instructions executable by the machine to perform a method for browsing a data communications network, the method comprising:

receiving, by a user-controlled ~~secure~~ resource-constrained device, a request for a cookie;

returning said cookie by said user-controlled ~~secure~~ resource-constrained device ~~if~~when said cookie is found stored on said user-controlled ~~secure~~ resource-constrained device and ~~if~~when said returning said cookie for said request is enabled and ~~if~~when said cookie comprises a static cookie;

reconfiguring a bit-pattern of said cookie by said user-controlled ~~secure~~ resource-constrained device ~~if~~when said cookie is found stored on said user-controlled ~~secure~~ resource-constrained device and ~~if~~when said returning said cookie for said request is enabled and ~~if~~when said cookie comprises a dynamic cookie; and

returning said reconfigured cookie by said user-controlled ~~secure~~ resource-constrained device.

12. (Currently Amended) A program storage device readable by a machine, embodying a program of instructions executable by the machine to perform a method for servicing data communications network information units, the method comprising:

receiving a cookie associated with a network site by a server;

determining, by said server, whether said cookie comprises a static cookie or said cookie comprises a dynamic cookie;

using, by said server, said cookie ifwhen said determining finds said cookie is said static cookie; and

reconstructing, by said server, said cookie before using said cookie ifwhen said determining finds said cookie is said dynamic cookie wherein an original cookie was reconfigured to generate said cookie and said reconstructing generates said original cookie.

13. (Currently Amended) An apparatus for browsing a data communications network, the apparatus comprising:

means for requesting user data from a user-controlled secure storage resource-constrained device ifwhen a network site that requires said user data is accessed, said requesting occurring prior to requesting said user data from another device different from said user-controlled resource-constrained device when said user data is unavailable from said user-controlled resource-constrained device; and

means for sending said user data to a network server associated with said network site ifwhen said user data is received from said user-controlled secure storage resource-constrained device.-

14. (Currently Amended) An apparatus for browsing a data communications network, the apparatus comprising:

means for receiving, by a user-controlled ~~secure~~ resource-constrained device, a request for user data wherein said user data is one of static user data and dynamic user data;

means for returning said user data by said user-controlled ~~secure~~ resource-constrained device ~~if~~when said user data is found stored on said user-controlled ~~secure~~ resource-constrained device and ~~if~~when said returning user data for said request is enabled and ~~if~~when said user data ~~comprises~~ is said static user data;

means for reconfiguring said user data by said user-controlled ~~secure~~ resource-constrained device ~~if~~when said user data is found stored on said user-controlled ~~secure~~ resource-constrained device and ~~if~~when said returning user data for said request is enabled and ~~if~~when said user data ~~comprises~~ is said dynamic user data; and

means for returning said reconfigured user data by said user-controlled ~~secure~~ resource-constrained device.

15. (Currently Amended) An apparatus for servicing data communications network information units, the apparatus comprising:

means for receiving user data associated with a network site by a server;

means for determining, by said server, whether said user data comprises static user data or said user data comprises dynamic user data;

means for using, by said server, said user data ~~if~~when said determining finds said user data comprises said static user data; and

means for reconstructing, by said server, said user data before using said user data ~~if~~when said determining

finds said user data comprises said dynamic user data wherein original user data was <u>reconfigured to generate</u> <u>said user data and said reconstructing generates said</u> <u>original user data</u>.

16. (Currently Amended) An apparatus for browsing a data communications network, the apparatus comprising:

means for requesting a cookie from a user-controlled ~~secure storage~~ <u>resource-constrained</u> device ~~if~~<u>when</u> a network site that requires said cookie is accessed, said requesting occurring prior to requesting said cookie from another device <u>different from said user-controlled</u> <u>resource-constrained device when said cookie is</u> <u>unavailable from said user-controlled resource-constrained</u> <u>device</u>; and

means for sending said cookie to a network server associated with said network site ~~if~~<u>when</u> said cookie is received from said user-controlled ~~secure storage~~ <u>resource-constrained</u> device.

17. (Currently Amended) An apparatus for browsing a data communications network, the apparatus comprising:

means for receiving, by a user-controlled ~~secure~~ <u>resource-constrained</u> device, a request for a cookie;

means for returning said cookie by said user-controlled ~~secure~~ <u>resource-constrained</u> device ~~if~~<u>when</u> said cookie is found stored on said user-controlled ~~secure~~ <u>resource-constrained</u> device and ~~if~~<u>when</u> said returning said cookie for said request is enabled and ~~if~~<u>when</u> said cookie comprises a static cookie;

means for reconfiguring <u>a bit-pattern of</u> said cookie by said user-controlled ~~secure~~ <u>resource-constrained</u> device ~~if~~<u>when</u> said cookie is found stored on said user-controlled ~~secure~~ <u>resource-constrained</u> device and ~~if~~<u>when</u> said

returning said cookie for said request is enabled and
~~if~~when said cookie comprises a dynamic cookie; and

means for returning said reconfigured cookie by said
user-controlled ~~secure~~ resource-constrained device.

18.   (Currently Amended) An apparatus for servicing data
communications network information units, the apparatus
comprising:

means for receiving a cookie associated with a
network site by a server;

means for determining, by said server, whether said
cookie comprises a static cookie or said cookie comprises
a dynamic cookie;

means for using, by said server, said cookie ~~if~~when
said determining finds said cookie is said static cookie;
and

means for reconstructing, by said server, said cookie
before using said cookie ~~if~~when said determining finds
said cookie is said dynamic cookie wherein an original
cookie was reconfigured to generate said cookie and said
reconstructing generates said original cookie.

19.   (Currently Amended) An apparatus for browsing a data
communications network, the apparatus comprising:

a network browser configured to request user data
from a user-controlled ~~secure storage~~resource-constrained
device ~~if~~when a network site that requires said user data
is accessed, said request occurring prior to requesting
said user data from another device different from said
user-controlled resource-constrained device when said user
data is unavailable from said user-controlled resource-
constrained device, said network browser further
configured to send said user data to a network server
associated with said network site ~~if~~when said user data is

received from said user-controlled ~~secure storage~~resource-constrained device.

20.   (Currently Amended)   An apparatus for browsing a data communications network, the apparatus comprising:

a smart card configured to receive a request for user data wherein said user data is one of static user data and dynamic user data, said smart card further configured to return said user data stored on said smart card ~~if~~when said user data is found and ~~if~~when said returning user data for said request is enabled and ~~if~~when said user data ~~comprises~~ is said static user data, said smart card further configured to reconfigure said user data ~~if~~when said user data is found stored on said smart card and ~~if~~when said returning user data for said request is enabled and ~~if~~when said user data ~~comprises~~ is said dynamic user data, said smart card further configured to return said reconfigured user data.

21.   (Currently Amended)   An apparatus for servicing data communications network information units, the apparatus comprising:

a network server configured to receive user data associated with a network site, said network server further configured to determine whether said user data comprises static user data or said user data comprises dynamic user data, to use said user data ~~if~~when said determining finds said user data comprises static user data, said network server further configured to reconstruct said user data before using said user data ~~if~~when said determining finds said user data comprises dynamic user data wherein original user data was reconfigured to generate said user data and said reconstructing generates said original user data.~~;~~

22. (Currently Amended) An apparatus for browsing a data communications network, the apparatus comprising:

a network browser configured to request a cookie from a user-controlled ~~secure storage~~ resource-constrained device ~~if~~when a network site that requires said cookie is accessed, said requesting occurring prior to requesting said cookie from another device different from said user-controlled resource-constrained device when said cookie is unavailable from said user-controlled resource-constrained device, said network browser further configured to send said cookie to a network server associated with said network site ~~if~~when said cookie is received from said user-controlled ~~secure storage~~ resource-constrained device.

23. (Currently Amended) An apparatus for browsing a data communications network, the apparatus comprising:

a smart card configured to receive a request for a cookie, said smart card further configured to return said cookie ~~if~~when said cookie is found on said smart card and ~~if~~when said returning said cookie for said request is enabled and ~~if~~when said cookie comprises a static cookie, said smart card further configured to reconfigure a bit-pattern of said cookie ~~if~~when said cookie is found on said smart card and ~~if~~when said returning said cookie for said request is enabled and ~~if~~when said cookie comprises a dynamic cookie, said smart card further configured to return said reconfigured cookie.

24. (Currently Amended) An apparatus for servicing data communications network information units, the apparatus comprising:

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Page 13 of 19

a network server configured to receive a cookie associated with a network site; and to determine whether said cookie comprises a static cookie or said cookie comprises a dynamic cookie said network server further configured to use said cookie ~~if~~when said determination finds said cookie is said static cookie, said network server further configured to reconstruct said cookie before using said cookie ~~if~~when said determination finds said cookie is said dynamic cookie <u>wherein an original cookie was reconfigured to generate said cookie and said reconstructing generates said original cookie</u>.

25.   (Original)   An apparatus for enhanced privacy protection in identification in a data communications network, the apparatus comprising:

a smart card configured to store a randomized ID obtained in response to enrolling for a service on said data communications network, said smart card further configured to release said randomized ID to obtain services on said data communications network.